



Aviation Education News



Distributed Quarterly to Promote Aviation Education and Awareness in Virginia

May 2004

In this Issue

Students Depict How "Flying Saves Lives" Page 1

President's Notes Page 2

Art Contest Winners - Category I Page 3

Art Contest Winners - Category II Page 4

Art Contest Winners - Category III Page 5

Aviation Education Corner Page 6

National Congress on Aviation and Space Education Page 7

Virginia Teachers Receive Aviation Education Grants Page 7

Calendar of Events Page 8

Coming Up in August:

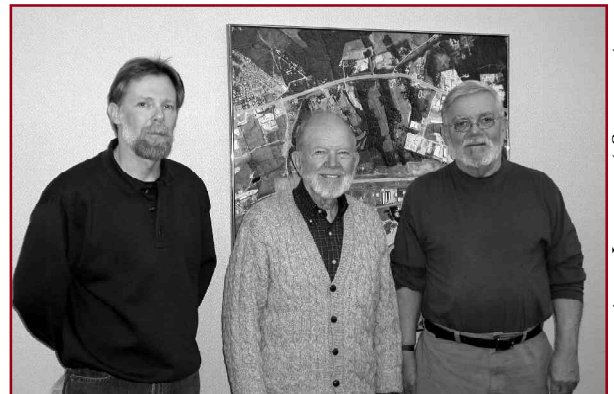
Virginia State EAA Fly-In
at Dinwiddie Airport
September 18-19, 2004
and
Recipient of the
2004 Virginia Airport Operators
Council Scholarship



Students Depict How "Flying Saves Lives"

The theme of the 2004 International Aviation Art Contest was "Flying Saves Lives." Students from across the Commonwealth of Virginia sent artwork depicting aircraft engaged in important, lifesaving missions to the Virginia Department of Aviation which runs the statewide level of the contest.

Featured in the art were helicopters being used to rescue boaters from foundering ships, transporting accident victims to hospitals, and putting out fires. Transport planes were shown dropping vital food and medical supplies to disaster victims.



(L to R) Bill Kluge, Dick Carpenter, Luther Gore

There were 234 total entries in the Virginia contest this year. These were broken down into three categories based on age: Category I (ages 6-9), Category II (ages 10-13), and Category III (ages 14-17). Judges for the 2004 contest included Dr. Luther Gore, Mr. Bill Kluge, and Mr. Dick Carpenter; all members of the American Society of Aviation Artists.

Virginia's winners included:

Category I (ages 6-9)

First Place: Ashley Miller, Indian Lakes Elementary School, Virginia Beach
Second Place: Brenda Spence, Indian Lakes Elementary School, Virginia Beach
Third Place: Jiliane Jorge, Indian Lakes Elementary School, Virginia Beach

Category II (ages 10-13)

First Place: Mark H. Davis, Jr., homeschooled, Lynchburg
Second Place: Whitney J. Brewster, Henry David Thoreau Middle School, Vienna
Third Place: Leslie Comer, Cluster Springs Elementary School, South Boston
Honorable Mention: Trevor Smith, Cluster Springs Elementary School, South Boston

Category III (ages 14-17)

First Place: Joey Ledune, Ft. Chiswell High School, Max Meadows
Second Place: Hannah Doss, Franklin County High School, Rocky Mount
Third Place: Corrisa Eversole, Ft. Chiswell High School, Max Meadows
Honorable Mention: Jesse Mills, Ft. Chiswell High School, Max Meadows

Cont'd on page 3

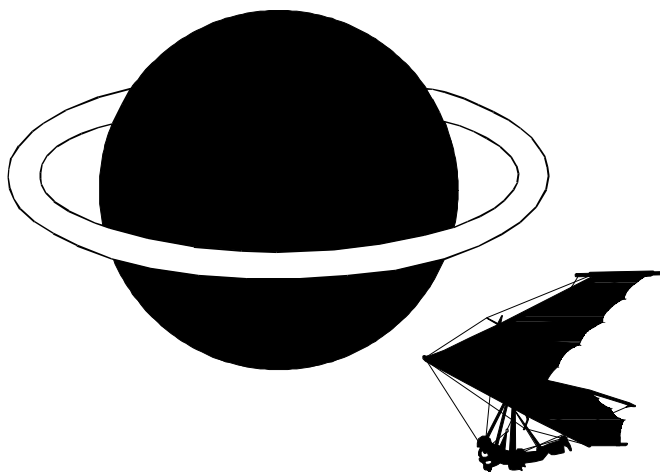
PRESIDENT'S NOTES

The NASA Langley Research Center's Office of Education (OEd) is working in collaboration with the Virginia Department of Aviation which is an excellent way to maintain two-way communication between federal and state aviation education organizations.

The following web sites are great places to see what is occurring using cutting edge technology:

NASA Homepage (Portal)	www.nasa.gov/home/index.html
Aerospace Technology Enterprise	www.aero-space.nasa.gov/
Centennial of Flight	www.aero-space.nasa.gov/centuryofflight/index.htm

Peter D. Thomas (ViGYAN, Inc.)
Aerospace Education Programs Manager
Office of Education
NASA Langley Research Center
<http://edu.larc.nasa.gov/>



VASEF AVIATION EDUCATION NEWS is published quarterly in support of aviation education in the Commonwealth of Virginia by the Virginia Department of Aviation.

VASEF BOARD

Peter D. Thomas, President
(NASA)
Betty Wilson, Secretary
(Virginia Department of Aviation)
Tom Tyndall, Treasurer
(Aviation Educator)
Dr. Richard Byles
(Virginia Air and Space Center)
Curtis Grant, Member
(Aviation Academy)
Ted Morris, Member
(Virginia Aviation Museum)
LaVern Phillips
(Aviation Institute of Maintenance)
Jack Simons, Member
(Experimental Aircraft Association)
Darryl Stubbs, Member
(Hampton University)
Tom Vick, Member
(Averett University)

VASEF NEWS Editor: Betty Wilson

Please send story ideas, photographs, calendar events, and other items for possible inclusion to:

Betty Wilson
Virginia Department of Aviation
5702 Gulfstream Road
Richmond, Virginia 23250-2422
(804) 225-3783
(804) 236-3635 (FAX)
betty.wilson@doav.virginia.gov (E-mail)
<http://www.doav.virginia.gov> (Internet)



VASEF PURPOSE

The Forum is a non-profit organization to promote and foster aviation and space education among public and private schools, colleges and universities, and community and civic groups, and to promote increased public understanding of aviation and space and their economic, social, and career values in our society and in the Commonwealth of Virginia.

Art Contest

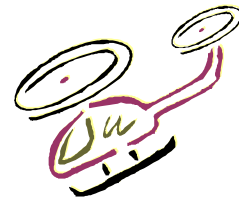
Cont'd from Page 1

Winning artwork from Virginia was sent to Washington, D.C. to compete in the United States national competition. It is estimated that over 8,000 pieces of artwork were created for this year's competition with the top three from each state being judged in the U. S. finals. Unfortunately, Virginia had no national winners this year, but that's okay, since the main point of the contest is to increase aviation awareness among young people, and from the art we saw, the mission has been accomplished!

The 2004 International Aviation Art Contest was sponsored by the National Aeronautic Association, National Association of State Aviation Officials, National Aeronautics and Space Administration, and the Federal Aviation Administration, in cooperation with the Federation Aeronautique Internationale (FAI), to motivate and encourage young people of FAI member nations to become familiar with and participate in aeronautics, engineering, and science.

ART CONTEST - Category I (ages 6-9)

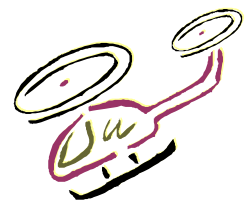
First Place
Ashley Miller
Virginia Beach

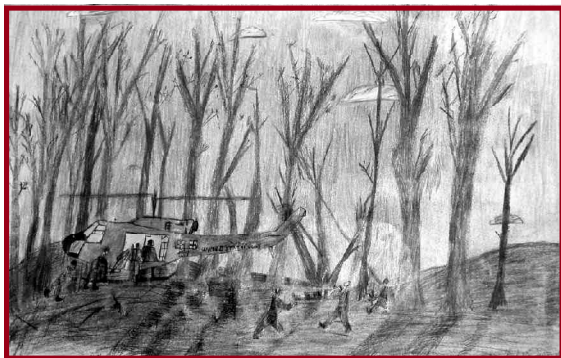


Second Place
Brenda Spence
Virginia Beach

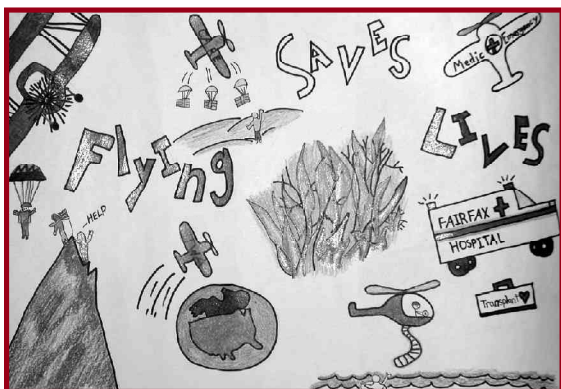


Third Place
Jiliane Jorge
Virginia Beach



ART CONTEST - Category II (ages 10-13)

First Place
Mark H. Davis, Jr.
 Lynchburg



Second Place
Whitney J. Brewster
 Vienna



Third Place
Leslie Comer
 South Boston



Honorable Mention
Trevor Smith
 South Boston

National Air and Space Museum Calendar

Wednesday, May 12, 2004 8:00 p.m. - 9:00 p.m.

Exploring Space Lecture Series:
New Strategies for Detecting Life in the Universe -- Astrobiology of the Early Earth and its Life
Dr. Bruce Runnegar
 Albert Einstein Planetarium, free admission but tickets required.

Thursday, May 20, 2004, 8:00 p.m. - 9:30 p.m.

Charles A. Lindbergh Memorial Lecture:
A Conversation with Don Lopez
Don Lopez
 Lockheed Martin IMAX Theater, free admission, tickets required.

Saturday, May 22, 2004, 8:15 p.m. - 11:00 p.m.

Curator's Choice:
Skywatching at Sky Meadows State Park
Sean O'Brien

Monday, June 7, 2004, 8:00 p.m. - 9:00 p.m.

Exploring Space Lecture Series:
New Strategies for Detecting Life in the Universe -- The Search for Habitable Planets Around Other Stars (Kepler Mission)
Dr. William Borucki
 Albert Einstein Planetarium, free admission, tickets required.

Thursday, June 19, 2004, 8:00 p.m. - 9:00 p.m.

John H. Glenn Lecture
John H. Glenn
 Steven F. Udvar-Hazy Center

Now Open:

National Air and Space Museum
Steven F. Udvar-Hazy Center
 Located at the Washington Dulles International Airport, the Udvar-Hazy Center will house 200 aircraft and 135 large space artifacts including the Space Shuttle Enterprise, SR-71 Blackbird, and B-29 Superfortress Enola Gay.

For more information visit:
www.nasm.si.edu

ART CONTEST - Category III (ages 14-17)

First Place
Joey Ledune
 Max Meadows

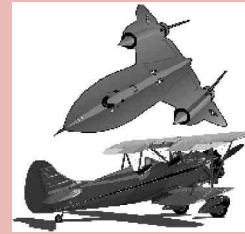


Second Place
Hannah Doss
 Rocky Mount



Third Place
Corrissa Eversole
 Max Meadows

Honorable Mention
Jesse Mills
 Max Meadows



**VIRGINIA
 AVIATION
 MUSEUM
 CALENDAR**

May 8, 2004

Virginia Aeronautical Historical Society Annual Meeting and Reception

For reservations or additional information please call (804) 222-8690.

May 15, 2004

Aviation Adventure

Find out all about helicopters. Learn about the forces of flight through hands-on activities.

10:00 a.m. - noon.

May 20, 2004

Guest Speakers Series

7:00 p.m.

June 19, 2004

Guest Speakers Series

A fun-filled day with static aircraft, remote-control displays, and other activities for the whole family.

9:30 a.m. - 5:00 p.m.

June 17, 2004

Guest Speakers Series

7:00 p.m.

July 3-Sept. 26, 2004

Lindbergh's Return to Richmond.

Check out a reproduction of the Spirit of St. Louis -- the aircraft Charles Lindbergh flew on his historic solo flight across the Atlantic. Examine other aircraft associated with Lindbergh's aviation background. See artifacts from Lindbergh's visit to Richmond's Byrd Field in 1927.

The Virginia Aviation Museum is located at the entrance to Richmond International Airport. For additional information on museum hours and programs call (804) 236-3622.

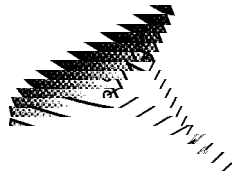
Aviation Education Corner



1906 2119W 0616

Materials (per kite)

Sled Kite Template
Two drinking straws
Cellophane tape
Scissors
Two 45 cm lengths of string
One 1 m length of string
Metric ruler
Single-hole paper puncher
One paper clip
Markers, crayons, pencils
Selection of paper (crepe, tissue, newspaper) for constructing a tail



Construction Steps

1. Make a copy of the Sled Kite Template. Carefully cut out the sled kite.
2. Decorate the top of the sled kite using crayons, markers, or other media.
3. Trim the length of the two drinking straws so they will fit in the area marked for the straws. Tape them in place.
4. Place two or three pieces of tape in the marked areas covering the black circles.
5. Using a single-hole paper puncher, carefully punch the two holes marked by the black circles.
6. Cut two pieces of kite string 45 cm each. Tie a string through each hole. Tie them tight enough so you do not tear the paper.
7. Tie the opposite end of both strings to a paper clip.
8. Pick up the 1 m long piece of string. Tie one end of this string to the other end of the paper clip. Your sled kite is ready to fly!
9. Outside in a clear area, hold the 1 m length of string and run with the kite to make it fly.
10. Run slow and run fast, and observe how the kite flies at different towing speeds.
11. Add a tail to the sled kite using crepe paper, strips of newspaper, tissue paper, or garbage bags. Predict what, if any changes will occur in the kite's flight characteristics. Conduct flights to test the predictions.

1906 2119W 0616

Virginia Teachers Receive Aviation Education Grants

Four Virginia teachers were awarded Virginia Department of Aviation Teachers Grants for the 2003/04 school year.

Mr. Joseph Branco of Great Bridge Intermediate School in Chesapeake will use his grant to present his lesson "The Wright Stuff...100 Years of Dreaming for the Sky and Stars."

Ms. Cynthia Hardesty of York High School in Yorktown will use her grant to help her students gain an understanding of properties of fluids, including fluids in motion and Bernoulli's Principle. Note: the study of fluid dynamics is included in the revised VA Physics SOL's.

Mr. Marshall Turner of J. R. Tucker High School will use his grant to teach his Introduction to Engineering students about the Dynamics of Flight.

Ms. Patricia Brammer of Woolwine Elementary School in Woolwine will use her grant for her "Up, Up and Way: 100 Years of Flight" program which will examine flight from the very beginning to current flight principles.

Thanks to the National Air Transportation Foundation (NATF) Ace Grant program two additional teachers who applied also received grants. Tanya Burr from Chancellor Middle School in Fredericksburg and Robert K. Smith of Staunton River High School in Moneta each received an Ace Grant.

SCIENCE MUSEUM OF VIRGINIA CALENDAR

EXHIBITIONS

Mary Morton Parsons Earth-Moon Sculpture (kugel) - Permanent

MAX FILMS

NASCAR: The IMAX Experience

Space Station

Pulse: A Stomp Odyssey

Walt Disney's The Young Black Stallion

MULTIMEDIA SHOWS

Planetarium Show: Black Holes.

LIVESKY: Informal "live" planetarium presentation of the month's celestial events. Third Friday of every month (except Oct.)

SKYWATCH: Third Friday of every month (weather permitting) on the front lawn.

24-Hour Information: (804) 367-0000

Box Office: (804) 367-1080

24-Hour Skywatch Information: (804) 367-8277

24-Hour TDD Information: (804) 367-9760

General Information - TDD: (804) 367-6552

Group Scheduling: (804) 367-6552

Home Page: <http://www.smv.org>

National Congress on Aviation and Space Education

The 37th Annual National Congress on Aviation and Space Education (NCASE) took place March 24-28, 2004 in Atlanta, Georgia. Among the speakers was Susan Sclafani, Assistant Secretary for Vocational and Adult Education at the U. S. Department of Education. She emphasized that the federal government is focusing on math and science education through legislation such as the No Child Left Behind Act because tomorrow's job market will require increasingly technical skills. "In the past," Sclafani said, "the market was comprised of about 20 percent professional, 20 percent skilled and 60 percent unskilled jobs. Now we're looking at a shift. The 20 percent professional is still there, but skilled jobs make up 65 percent of demand, with only 15 percent in unskilled jobs."

Of particular concern is the "graying" of the aerospace industry. The average age of today's aerospace worker is 51 years old, and experts say not enough young people are entering the field.

Other featured speakers included former astronauts Joe Edwards and Jim Voss; aviator Gus McLeod who spoke about his solo flights to the North and South Poles; renowned aviator Scott Crossfield and Dr. Kevin Kochersberger who spoke about reenacting the Wright Brothers first powered, controlled flight; and Guinness World Record holder Ken Blackburn who demonstrated his secrets for making and flying incredible paper airplanes.

The National Congress on Aviation and Space Education is sponsored by the Civil Air Patrol and U. S. Air Force and is the premier aerospace education conference in the nation.

Mark your calendars -- NCASE 2005 will take place at the Crystal Gateway Marriott Hotel in Arlington, Virginia (Washington, D.C.) April 27-30, 2005.

VIRGINIA AIR AND SPACE CENTER CALENDAR

EXHIBITS:

Adventures in Flight Gallery

TRAVELLING EXHIBITS:

Strange Matter - May 28-September 5, 2004

IMAX FILMS:

Nascar 3D

Our Country in IMAX

Walt Disney's The Young Black Stallion

Sigma Series Lectures

May 4, 2004

Discovering the Secrets of Flight - Ken Hyde, Terry Queijo, and Kevin Kochersberger
7:30 p.m.

LIVE SCIENCE DEMONSTRATIONS

Star Station One: International Space Station
Learn about the International Space Station, the international community that's getting it together, and the many steps involved in the process.

Call (804) 727-0900 for showtimes

Visit the Center's Home Page:
<http://www.vasc.org>

Calendar of Events

May 15, 2004

Community Day at Franklin Municipal Airport will take place from 10:00 a.m. - 4:00 p.m.

May 21-23, 2004

2004 AirPower Over Hampton Roads air show will take place at Langley Air Force Base.

June 6, 2004

Open House and Fly-In at New London Airport from 8:00 a.m. - 5:00 p.m.

June 12-13, 2004

Southside Skyfest will be held at Danville Regional Airport.

June 12-13, 2004

Annual Flag Day Fly-In at Suffolk Municipal Airport.

August 25-27, 2004

Virginia Aviation Conference will take place at the Hotel Roanoke & Conference Center in Roanoke.

For more events visit: <http://www.doav.virginia.gov/calendar.htm>.

Aviation Education Supporters:

VASEF projects are funded by our membership fees and by donations from our member organizations. We would appreciate your support through membership in our organization.

_____ Regular Membership \$25.00 annually (July - Dec. \$12.50)

_____ Non-Profit Organization \$25.00 annually (July - Dec. \$12.50)

_____ Corporate Membership \$100.00 annually (July - Dec. \$50.00)

_____ New Member _____ Renewal

Date: _____

Name: _____

Name of Organization: _____

Occupation: _____

Address: _____

City: _____ State _____ Zip _____

Telephone _____

Please Return to: Tom Tyndall, VASEF Treasurer
5702 Gulfstream Road
Richmond, Virginia 23250-2422



VASEF Aviation Education News
5702 Gulfstream Road
Richmond, Virginia 23250-2422

Presorted
Standard
U.S. POSTAGE
PAID
Richmond, Va
Permit No. 949

Inside:

*Art Contest
Winners*

Teachers Grant Recipients



Please Post for Teachers